

Former Plainwell Impoundment Time-Critical Removal Action Weekly Construction Update

Progress Report #76—December 22, 2008

Work Completed: December 11 – December 17, 2008

- Completed removal of sediment from the Phase 2 Cofferdam Area.
- Completed removal of the temporary access structure that connected Removal Area 13A to the island area located between the eastern and western channels of the Former Plainwell Dam.
- Continued removing soil and sediment from Removal Area 13A.
- Continued solidifying soil and sediment at Staging Areas 4N.
- Continued loading and transporting solidified soil/sediment material from Staging Area 4N to Allied Waste's C&C Landfill and Ottawa County Farms Landfill.
- Continued decommissioning the WCS, including removing the cutoff wall sheeting and associated scour protection measures.

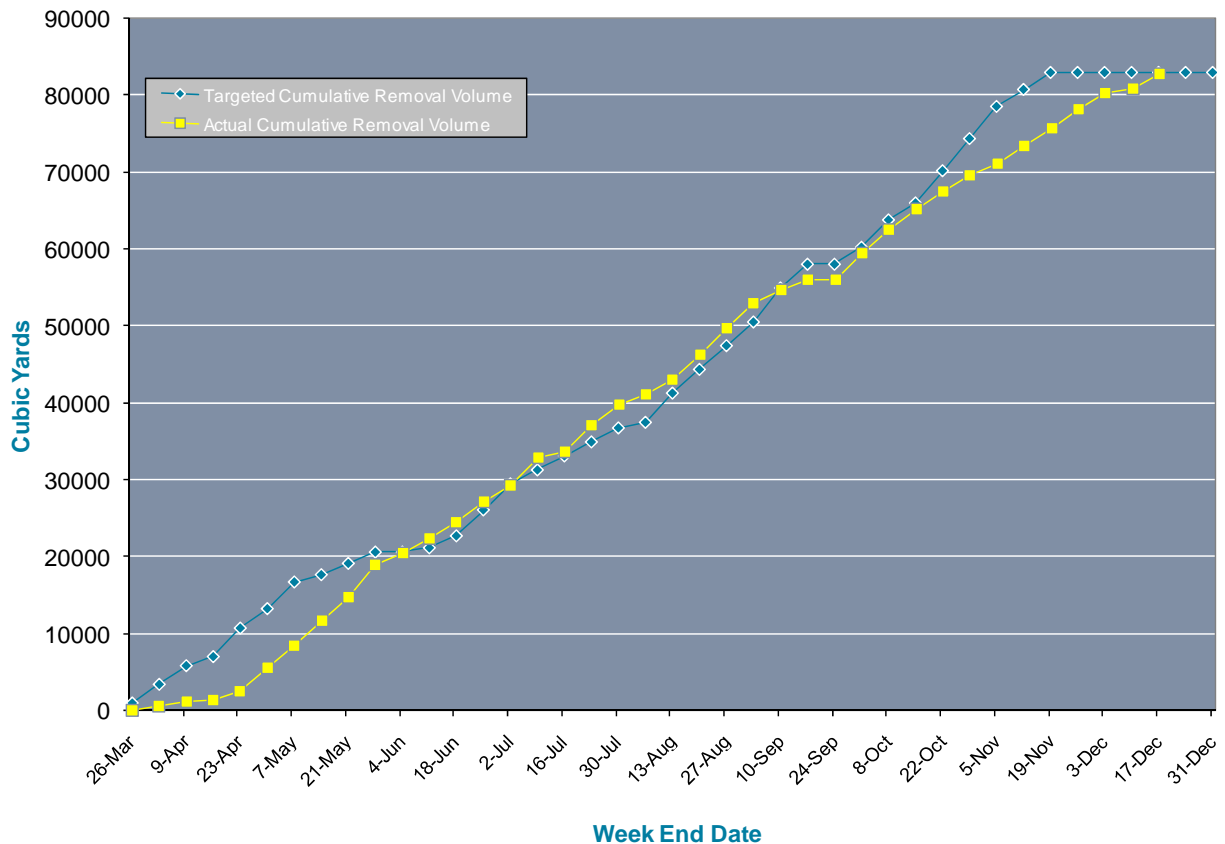
Estimated Weekly Volume Hauled to TSCA and Non-TSCA Landfill Facilities				
Date	Estimated Quantity TSCA-material (cubic yards)	Number of Truck Loads TSCA-material	Estimated Quantity Non-TSCA material (cubic yards)	Number of Truck Loads Non-TSCA material
Weekly Total	0	0	1470	42
2008 Total	16,065	459	65,800	1,880
Project Total to Date	19,075	545	101,815	2,909

Note: All values are unofficial, estimated quantities, subject to revision/verification.

Work Planned: December 18 – December 24, 2008

- Continue excavating soil and sediment from Removal Area 13A.
- Continue solidifying soil/sediment at Staging Area 4N.
- Continue loading and transporting solidified soil/sediment material from Staging Area 4N to Allied Waste's C&C Landfill and Ottawa County Farms Landfill.
- Continue decommissioning the WCS, including removing remaining steel sheeting.
- Begin the decommissioning activities of Staging Area 4N.
- Begin excavating, loading and hauling of TSCA soil from Removal Area 13A.
- Begin removing the Phase 2 Cofferdam.
- Due to the holiday season, no work activities are scheduled from December 23 through December 25.

Removal Progress



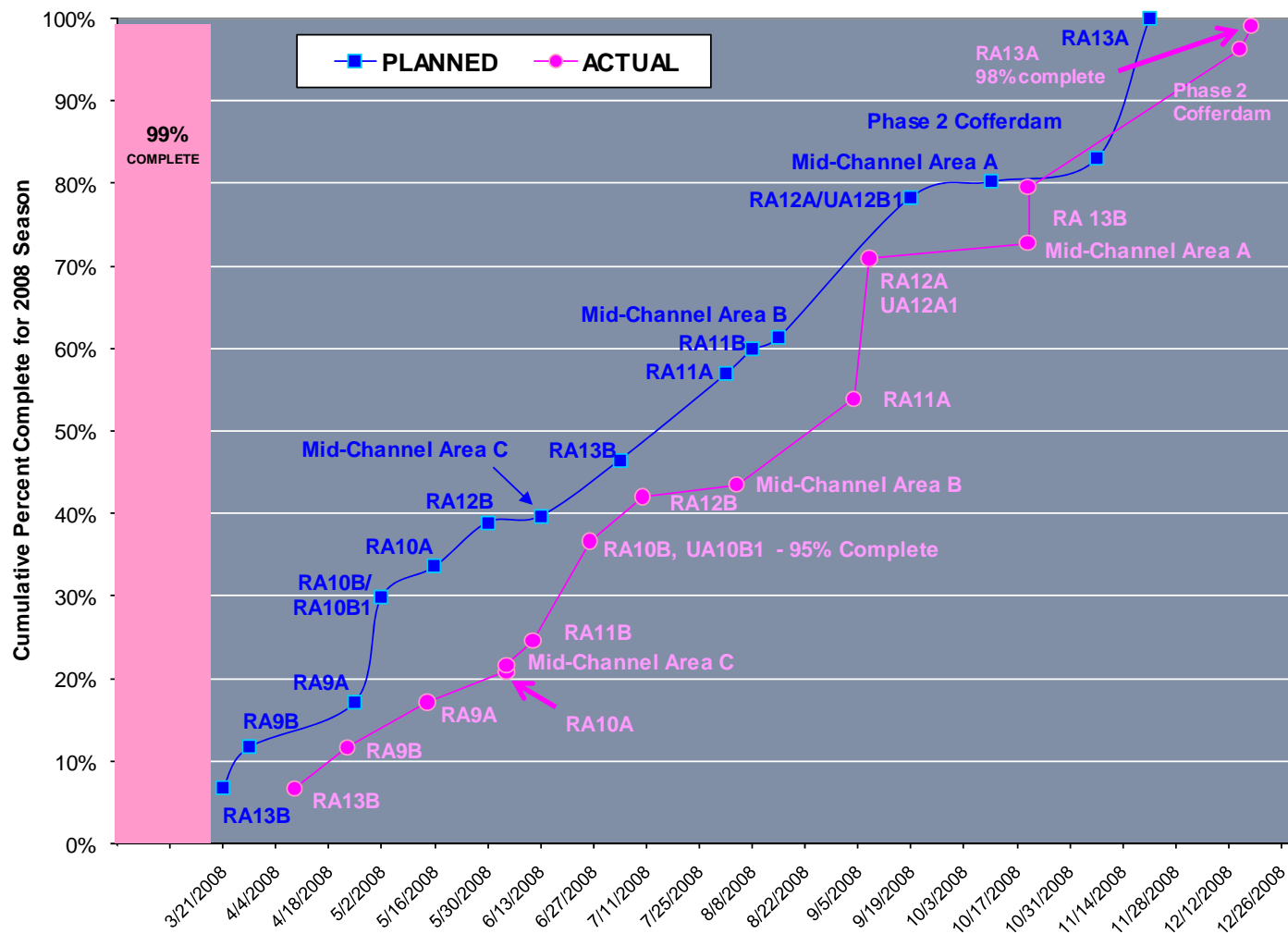
Notes:

Targeted volumes are neat and subject to change due to additional excavation done at request of USEPA.

Actual volumes removed below the targeted volumes potentially due to the conservative estimation methodology used to develop targeted figures and due to the actual topographic conditions encountered at the site, which could result in smaller volumes needing to be removed than originally estimated. The targeted volumes have been increased by 10% to account for additional material that could be removed as a result of over-excavation and additional removal in response to confirmation sampling. Soil/sediment removal activities are on schedule based on the ARCADIS BBL ES 4/30/07 Plainwell TCRA Construction Schedule.

In Plainwell Weekly Construction Reports published between July 14 and October 13, 2008 (Reports #55 through #67), this graph incorrectly depicted the cumulative removal volume. During that period, the incremental increase added each week reflected only additional TSCA material removed, rather than total volume removed to date. Beginning with Report #68 on October 20, 2008 this Removal Progress graph now correctly displays total cumulative volume removed in the 2008 construction season.

Removal Progress



Notes:

For Areas where removal is less than 100% complete, the data point shown is an estimate based on area and volume considerations.

'Complete' is defined as removal of all targeted materials as detailed in the Plainwell TCRA Design Report.

Health & Safety Update

- 4 Loss Prevention Observations (LPOs) were completed during this period.
A total of 275 LPOs have been completed for the project to date.

Weather Summary

- Hauling operations were cancelled on December 15th due to ice and wind.

Environmental Monitoring and Construction Quality Assurance Testing

Resuspension/Turbidity Monitoring:

Testing Performed this Week? No ☒ Yes ☐

Exceedances? N/A ☒ No ☐ Yes ☐ If yes, explain:

Dewatering System Discharge Monitoring:

Discharge Flow: 31,742 gallons

Testing Performed this Week? No ☐ Yes ☒

Exceedances? N/A ☐ No ☒ Yes ☐ If yes, explain:

Excavation Verification Sampling:

Testing Performed this Week? No ☒ Yes ☐

Cleanup Standard Achieved? N/A ☒ Yes ☐ No ☐ If no, explain:

Issues Encountered/Solutions Advanced

- None

Equipment on Site

Equipment	12/11/08	12/12/08	12/13/08	12/14/08	12/15/08	12/16/08	12/17/08
Komatsu PC-300 Excavator	1	1	1	1	1	1	1
Komatsu PC-300 HD Long Reach	1	1	1	1	1	1	1
Komatsu PC-200 Excavator	1	1	1	1	1	1	1
John Deere JD-50 Mini-Excavator	1	1	1	1	1	1	1
John Deere JD-450 Dozer	1	1	1	1	1	1	1
John Deere JD-700 Dozer	-	-	-	-	-	-	-
Komatsu D37 Dozer	1	1	1	1	1	1	1
Komatsu D61 Dozer	-	-	-	-	-	-	-
Hitachi 270 Excavator(King)	-	-	1	-	-	-	-
Volvo P-180 Loader	1	1	1	1	1	1	1
Komatsu 380 loader	1	1	1	1	1	1	1
CAT 328 Loader (King)	1	1	1	1	1	1	1
FAVCO 40-ton Crane	1	1	1	1	1	1	1
40' Self Propelled Work Barge	-	-	-	-	-	-	-
American 80-ton Crane (King)	1	1	1	1	1	1	1
2,000 Gallon Water Truck	1	1	1	1	1	1	1
Smooth Drum Roller	-	-	-	-	-	-	-
John Deere Skidsteer	1	1	1	1	1	1	1
Vermeer Chipper	-	-	-	-	-	-	-
Komatsu 400 Articulating Dump Truck	1	1	1	1	1	1	1

Personnel, Regulatory Staff, and Visitors on Site

Individual/Affiliation	12/11/08	12/12/08	12/13/08	12/14/08	12/15/08	12/16/08	12/17/08
Terra Contracting Staff	15	15	6		15	15	15
Jim Saric/USEPA							
Charles Roth/USEPA							
Sam Borries/USEPA						X	X
Mike Ribordy/USEPA OSC						X	X
Karl Gustavson/US ARMY ERDC							
Paul Bucholtz/MDEQ							X
Judith Gapp/MDEQ							
Todd Goeks/NOAA							
John Lerg/MDNR							X
Sharon Hanshue/MDNR							X
Lisa Williams/USFWS							
Weston Contractors	X	X			X	X	X
CDM Contractors							
Chase Fortenberry/KRSG		X					
Mark Brown/KRSG							
David Guier/KRSG							
Gary Griffin/KRSG							
Chuck Barnes/ARCADIS							
Steve Garbaciak/ARCADIS							X
Anthony Esposito/ARCADIS							
Mike Erickson/ARCADIS							
Scott Marcus/ARCADIS							
Matt Bowman/ARCADIS		X					X
EJ Suardini/ARCADIS	X	X			X	X	X
Mike Kohagen/ARCADIS	X	X	X		X	X	X
Michelle Rumler/ARCADIS	X	X	X		X	X	X
Joe Willoughby/ARCADIS	X		X		X	X	X
Chad Van Coillie/ARCADIS							
Nick Harmer/ARCADIS							
MDEQ Sample Team							
<i>Other Subcontractors (Specify)</i>							
King Co.	6	6			6	6	6
JF New							

Photos from December 11 – December 17, 2008



Excavating material from behind the Phase 2 Cofferdam.



Removing steel sheeting from the temporary bridge at the Former Plainwell Dam spillway.

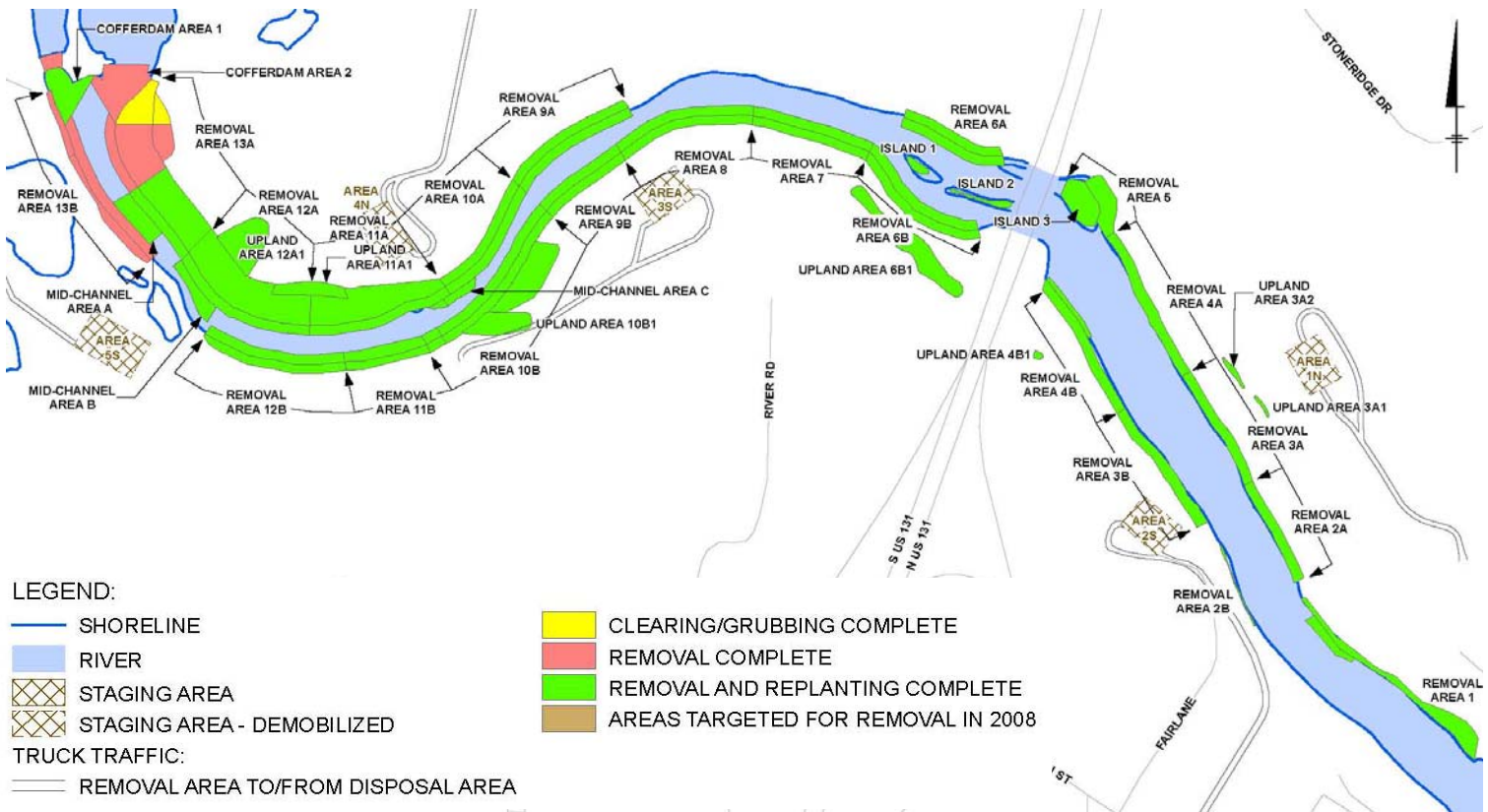


Loading solidified soil/sediment from Staging Area 4N for disposal offsite.



Removing scour protection measures downstream of the WCS cutoff wall.

Targeted Removal Areas – Former Plainwell Impoundment



Notes:

All dimensions and features represented on this map are approximate. Actual locations of access roads and staging areas and final boundaries of removal areas will be determined at the time of construction.